

## Floods Caused by Tropical Systems: Millstone River at Blackwells Mills

Latitude: 40.551  
Flood Stage: 9 ft

Period of Record: 1924-Present  
Last Flood: 8/1/2016

Longitude: -74.548  
Number of Floods: 149

Date of Crest	Crest (ft)	Streamflow (cfs)	Remarks
8/28/2011	21.24	20,700	Hurricane Irene brought heavy rains and flooding 26-28 August 2011. Area averaged rainfall from gauge and radar data indicated a broad swath of 3 to 10 inches with over 13" at a couple of spots.
9/17/1999	21.01	20,300	Hurricane Floyd produced heavy rainfall from Virginia to Long Island. Rainfall totals ranged from 12 inches in Delaware to 16.57 inches in Newport News, Virginia. Two dams burst in New Jersey and several flood records were broken in New Jersey.
8/28/1971	18.68	22,200	Tropical Storm Doria dumped 3 to 7 inches of rain across the region. Localized rainfall amounts of 8 to 10 inches were reported in the Tidewater area, Eastern NJ and Eastern PA.
9/21/1938	15.29	18,300	The Long Island Express Hurricane produced more than 5 inches of rain in New Jersey, New York and other parts of the Northeast. Major flooding occurred across New York, New Jersey and Pennsylvania.
9/8/2011	13.77	10,100	The remnants of tropical storm (TS) Lee moved up the Appalachian Mountains and interacted with a quasi-stationary east-west frontal boundary. 10 to 15 inches fell at numerous locations in Central PA and NY.
9/25/1975	13.54	10,000	The remnants of Hurricane Eloise combined with a cold front and produced very heavy rainfall in the Mid-Atlantic. Washington, D.C. reported 9.08" of rainfall. Total damage for Virginia was estimated to be \$17.2 million.
6/8/2013	12.62	7,510	A nearly stationary front interacted with the remnants of Tropical Storm Andrea and resulted heavy rainfall along the I-95 corridor.
8/14/1955	12.42	8,000	Hurricane Connie produced 4 to 8 inches of rainfall across the Mid-Atlantic region, with locally heavier amounts exceeding 10 inches.

Drainage Area: 258 sq mi  
Gage Datum: 26.97 ft MSL

Tropical information before 1940 is limited.  
Raritan Basin

County of Gage: Somerset  
County of Forecast Point: Somerset

Date of Crest	Crest (ft)	Streamflow (cfs)	Remarks
8/19/1955	12.12	6,500	Hurricane Diane made landfall 5 days after Hurricane Connie. Hurricane Diane produced several inches of rain with locally heavier amounts of 10 to 20 inches.
9/13/1960	11.07	8,030	Hurricane Donna made its second landfall near Wilmington, NC as a Category 3 hurricane. It produced 6 to 8 inches of rain in Eastern Virginia and caused 3 fatalities.
10/9/2005	11.05	6,060	Tropical Storm Tammy was absorbed into a cold front and produced 2-day rainfall totals of 4 to 7 inches. Flooding was reported in the Raritan, Passaic, Delaware and Lower Main Stem Susquehanna Basins.
7/25/1997	11.03	6,530	The remnants of Hurricane Danny, which was once weaker than a tropical depression, reintensified to a tropical storm. Danny dumped over 4 to 7 inches of rain throughout New Jersey.
6/23/1972	10.40	4,790	Hurricane Agnes made landfall again over southeastern New York on June 22 and moved westward into Pennsylvania. Rainfall totals from June 20-25 range from 2-3 inches in the Upper Potomac to 18 inches near Shamokin, Pennsylvania.
9/29/2004	10.26	5,210	Hurricane Jeanne stalled a cold front and supplied the front with much-needed moisture. As a result, 1-day rainfall totals ranged from 1 - 6 inches throughout the Mid-Atlantic region.
9/15/1944	9.92	6,160	The Great Atlantic Hurricane, which made landfall in Long Island and New England, dumped up to 10 inches of rain in parts of Northeastern NJ and Southeastern NY. Smaller rainfall totals from the storm were reported as far inland as Central PA.
8/24/1933	9.77	5,980	A strong Category 1 storm, the Chesapeake-Potomac Hurricane brought more than 10 inches of rain to Maryland, Delaware and Southern New Jersey. Other locations throughout the Mid-Atlantic measured more than 4 inches of rain.

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